

AMENDMENTS

IN THE CLAIMS

1. -9. (Canceled)

10. (Currently Amended) A therapeutic composition for use in tissue repair comprising:

- (a) a biologically compatible implant; and
- (b) a peptide associated with said implant, said peptide having a domain that mimics cell binding by collagen and having enhanced cell binding with respect to collagen.

11. (Previously Presented) The therapeutic composition of claim 10, wherein said biologically compatible implant comprises a polymeric hydrogel.

12. (Previously Presented) The therapeutic composition of claim 10, wherein said peptide is selected from Gly-Thr-Pro-Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg-Gly-Val-Val (SEQ ID NO: 1), Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 2), Gln-Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 3), Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 4), Phe-Gly-Ile-Ala-Gly-Phe (SEQ ID NO: 5), Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 6), and Gln-Gly-Ala-Ile-Ala-Gln (SEQ ID NO: 7).

13. (Currently Amended) A composition for repair of bone, cartilage, tendons, ligaments, or muscle damage associated with arthritis, comprising a carrier and a peptide with a domain that mimics the cell binding of collagen and having enhanced cell binding with respect to collagen, ~~said peptide exhibiting cell binding greater than that of collagen,~~ said peptide being chosen ~~selected~~ from Gly-Thr-Pro-Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg-Gly-Val-Val (SEQ ID NO: 1), Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 2), Gln-Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 3), Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 4), Phe-Gly-Ile-Ala-

Gly-Phe (SEQ ID NO: 5), Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 6), and Gln-Gly-Ala-Ile-Ala-Gln (SEQ ID NO: 7).

14.- 15. **(Canceled)**

16. **(Withdrawn)** The composition of claim 13, wherein the composition further comprises a biocompatible carrier.

17. **(Withdrawn)** The composition of claim 16, wherein the biocompatible carrier is a hydrogel.

18. **(Withdrawn)** The composition of claim 16, wherein the carrier is resorbable.